

What is claimed is:

1. A method for preparing (S)-(-)-amlodipine, comprises dissolving racemic amlodipine and L-(+)-tartaric acid in an organic solvent containing 2-butanone to yield (S)-(-)-amlodipine-L-(+)-tartrate precipitate by reaction; separating the precipitate; recrystallizing the precipitate by using a lower alcohol solvent to obtain a solid; adding a lower alkyl halide into the solid and the resulting solution is neutralized by an aqueous alkali to give (S)-(-)-amlodipine.
2. The method for preparing (S)-(-)-amlodipine according to claim 1, wherein said organic solvent is 2-butanone or mixture of 2-butanone with a cosolvent.
3. The method for preparing (S)-(-)-amlodipine according to claim 2, wherein said cosolvent is selected from the group consisting of methanol, ethanol, n-butanol, acetone, 2-pentanone, ethyl ether, methyl ethyl ether, ethyl acetate, ethyl formate, dichloromethane and chloroform.
4. The method for preparing (S)-(-)-amlodipine according to claim 1, wherein the molar ratio of racemic amlodipine to L-(+)-tartaric acid is 1:0.25~0.8.
5. The method for preparing (S)-(-)-amlodipine according to claim 4, wherein the molar ratio of racemic amlodipine to L-(+)-tartaric acid is 1:0.5.
6. The method for preparing (S)-(-)-amlodipine according to claim 1, wherein said lower alcohol solvent is selected from the group consisting of ethanol, methanol and isopropanol.
7. A method for preparing (R)-(+)-amlodipine, comprises dissolving racemic amlodipine and D-(-)-tartaric acid in an organic solvent containing 2-butanone to yield (R)-(+)-amlodipine-D-(-)-tartrate precipitate by reaction; separating the precipitate; recrystallizing the precipitate by using a lower alcohol solvent to obtain a solid; adding a lower alkyl halide into the solid and the resulting solution



is neutralized by an aqueous alkali to give (R)-(+)-amlodipine.

8. The method for preparing (R)-(+)-amlodipine according to claim 7, wherein said organic solvent is 2-butanone or mixture of 2-butanone with a cosolvent.

9. The method for preparing (R)-(+)-amlodipine according to claim 8, wherein said
5 cosolvent is selected from the group consisting of methanol, ethanol, n-butanol, acetone, 2-pentanone, ethyl ether, methyl ethyl ether, ethyl acetate, ethyl formate, dichloromethane and chloroform.

10. The method for preparing (R)-(+)-amlodipine according to claim 7, wherein the molar ratio of racemic amlodipine to D-(-)-tartaric acid is 1:0.25~0.8.

10 11. The method for preparing (R)-(+)-amlodipine according to claim 10, wherein the molar ratio of racemic amlodipine to D-(-)-tartaric acid is 1:0.5.

12. The method for preparing (R)-(+)-amlodipine according to claim 7, wherein said lower alcohol solvent is selected from the group consisting of ethanol, methanol and isopropanol.

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